

Booz | Allen | Hamilton

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Booz Allen Hamilton Inc.  
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July 1, 2005  
B-16600-0895

Mr. Spencer Peterson, Contract Specialist  
U.S. Department of Energy  
Office of Repository Development  
1551 Hillshire Drive  
Las Vegas, NV 89134-6321

Reference: Contract Number DE-AC28-02RW12152

Subject: Cost Estimate for YM 05-02C, Technology Feasibility of Excavating Semi-Circular Drift with Flat Bottom

Dear Mr. Peterson:

Booz Allen is pleased to submit the attached Cost Estimate for YM 05-02C for Technology Feasibility of Excavating Semi-Circular Drift with Flat Bottom under Contract Number DE-AC28-02RW12152. If you have any questions regarding the enclosed material, do not hesitate to call me at (703) 902-5540. Questions of a technical nature should be addressed to Richard Toft at (702) 794-1381.

Sincerely,

*Cynthia Rowan* (for)  
BOOZ ALLEN HAMILTON INC.

Jackie Lanham Young  
Associate

Enclosures

cc: BAH Task Manager

**Booz Allen Hamilton****Cost Estimate**

Contract Number	DE-AC28-02RW12152	Task Number	YM 05-02C
Contract Title	OCRWM II	Task Title	YM 05-02C
Contract Term	06/16/2002 - 06/15/2007	Period of Performance	06/17/2005 - 10/31/2005
Contract Period	Base Period I (06/16/2002 - 06/15/2005)	Booz Allen Manager	RICHARD TOFT
Client Name	DOE	Client Manager	
Client Address		Plan Title	Tech Feasibility of Excavating Semi-Circular Drift

Rate	This Estimate	
	Hours	Dollars

**Cost****Direct Labor****Booz Allen & Hamilton Labor**

Geological/Mining Engineer	136.00	\$15,768.38
Administrative/Support Personnel	11.00	\$433.72
Subtotal Booz-Allen & Hamilton Labor	147.00	\$16,202.10

**Contract Consultants****ASE**

Geological/Mining Engineer	20.00	\$1,754.30
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**Subcontract Labor****Golder Associates**

SUBCONTRACTOR	88.00	\$6,337.27
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**TBD - New Subcontractor**

SUBCONTRACTOR	180.00	\$30,784.44
SUBCONTRACTOR	120.00	\$24,914.87
Subtotal Subcontract Labor	388.00	\$62,036.58

**Subtotal Direct Labor**

555.00	\$79,992.98
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**Fees****FCCM**

\$2.81
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**Subtotal Cost**

555.00	\$79,995.79
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**Total**

555.00	\$79,995.79
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**Golder Associates Inc.**

1551 Hillshire Drive • Suite E • Las Vegas, Nevada 89134  
Mailing Address: P.O. Box 371315 • Las Vegas, Nevada 89137-1315  
Telephone (702) 794-5575 • Fax (702) 794-1323



**GOLDER ASSOCIATES, INC.**  
**BOOZ-ALLEN HAMILTON TASK ASSIGNMENT NO. B-16600-0895-2402-0000001**  
**REFERENCE: PRIME CONTRACT # DE-AC28-02RW12152**  
**ESTIMATED HOURS & COSTS FOR THE PERIOD 6/17/05 - 10/31/05**

<u>DESCRIPTION/CATEGORY</u>	<u>EMPLOYEE</u>	<u>EST.</u>	<u>TECH. SUPPORT</u>	
		<u>LABOR</u>	<u>HOURS</u>	<u>COSTS</u>
STAFF SCIENTIST (REGULATORY)	E. Zwahlen	<u>RATE</u>		
		38.99	80.00	\$3,119.20
STAFF SCIENTIST (REGULATORY)	M. Nutt	52.00	8.00	\$416.00
SUBTOTAL			88.00	\$3,535.20
ESTIMATED LABOR OVERHEAD	41.61%			\$1,471.00
SUBCONSULTANTS				\$0.00
TRAVEL				\$0.00
RELOCATION				\$0.00
SUBTOTAL				\$5,006.20
EST. G&A	16.38%			\$820.02
TOTAL COSTS				\$5,826.21
FIXED FEE	6.00%			\$349.57
TOTAL ESTIMATE TO COMPLETE				\$6,175.78

**ASSUMPTIONS:**

1. LABOR RATES ARE FOR CURRENT EMPLOYEES
2. ONLY COSTS FOR EXISTING TASK ORDERS ARE ESTIMATED.
3. ESTIMATE INCLUDES NO SALARY INCREASE FOR REMAINDER OF FISCAL YEAR
4. NO OVERTIME COMPENSATION IS ANTICIPATED.
5. NO TRAVEL ESTIMATED FOR THIS TASK
6. FIXED FEE ESTIMATE BASED ON 6% OF TOTAL COST

Prepared By: W.M. Nutt 6/22/05  
W.M. Nutt

<b>FROM: LARRY SNYDER</b> <b>SNYDER ENGINEERING LLC</b> <b>4251 Kipling Street Suite 550</b> <b>Wheat Ridge, CO 80033-6800 USA</b>		<b>DATE 6/30/05</b> <b>PAGE 1 OF 1</b> <b>VOICE: (303) 420-1544</b> <b>FAX: (303) 420-1843</b> <b>Cell: (303) 587-1007</b> <b>E-mail: Lsnyder200@cs.com</b>
<b>TO: Sheila Donnelly</b>		<b>E-mail donnelly_sheila@bah.com</b>

RE: Request for time & materials cost proposal and previous proposal dated 6/28/05

REVISED QUOTATION

We are pleased to offer the following revised quotation reflecting a reduced level of review and evaluation effort on our part for the "An Evaluation of Application of Mechanical Excavation resulting in a Flat-bottomed Tunnel Opening" statement of work you provided. We trust that this is more in-line with your needs, requirements and budgetary constraints.

Services of Larry Snyder P.E., Mechanical Engineer, 180 hrs @ \$150.00 per hour.....\$27,000.00

Estimated travel expenses relating to the (2) three day meetings in Las Vegas.....\$3,000.00

The remaining documents that you e-mailed will be reviewed, processed and sent to your office before the weekend.

If you have any questions please call or e-mail me.

Best Regards,



Snyder Engineering, LLC  
 Larry Snyder, P.E.,

# YUCCA MOUNTAIN TUNNEL

## LABOR SUMMARY

TASK	ASSISTANT MANAGER	GENERAL ENGINEER	GEOLOGICAL ENGINEER	COST AND SCHEDULING ENGINEER	ADMINISTRATIVE SUPPORT PERSONNEL	TOTAL TASK HRS
1 Gather and Review Available Information	8	12	4	4		28
2 Prepare Conceptual Design and Sketches of Alternatives	4	12			8	24
3 Develop Conceptual Cost Estimate	4	8		16		28
4 Evaluate Alternatives	8	8				16
5 Prepare Cost Section of Report	6			2		8
6 Provide Input to Final Report	4	8		4		16
SUBTOTAL HOURS	34	48	4	26	8	120
RATE PER HOUR	\$225.00	\$170.00	\$170.00	\$150.00	\$80.00	
SUBTOTAL COST	\$7,650.00	\$8,160.00	\$680.00	\$3,900.00	\$640.00	\$21,030.00

## EXPENSES

Communications

- Assume 5 calls per month @ \$3.00/call for 2 months \$30.00
- Assume 3 Faxes per month @ \$2.00/Fax for 2 months \$12.00
- Assume 2 regular mail deliveries per month @ \$2.00/delivery for 2 months \$8.00
- Assume 2 Express mail (FEDEX) deliveries per month @ \$25.00/delivery for 2 months \$100.00

SUBTOTAL COMMUNICATIONS \$150.00

Meetings & Travel

- Assume 2 meetings for 1 person
- Airfare (Assume \$1,200 per trip) \$2,400.00
- Car rental \$ 200.00
- Hotel (4 nights) \$ 500.00

SUBTOTAL MEETINGS & TRAVEL \$3,100.00

TOTAL EXPENSES \$3,250.00

TOTAL COST \$24,280.00